

App. No. 10/065,738  
Amendment dated May 26, 2004  
Reply to Office action of December 29, 2003

ENTRY  
NOT  
APPROVED  
6-25-04

Amendments to the Claims:

This listing of claims will replace the prior version of the claims in the present application.

Listing of Claims:

Claim 1 (canceled)

Claim 2 (canceled)

Claim 3 (currently amended): The A Faraday rotator set forth in claim 1, wherein said having wavelength selectivity, for selectively rotating only the polarization plane of incident light of given wavelengths, the Faraday rotator comprising;

a magneto-optical section is constituted from a gadolinium iron garnet thin films in between which at least one dielectric layer is interlaminated to create at least two magneto-optical parts for rotating the polarization plane of incident light of at least two wavelengths traveling in the direction in which the magnetic field of said magneto-optical section is oriented; and

dielectric multi-layer films in which a low refractive-index layer and a high refractive-index layer are laminated in alternation, disposed on each side of said magneto-optical section in an arrangement together with said magneto-optical section predetermined to create a resonant structure for localizing within said magneto-optical section incident light of at least two wavelengths.

Claim 4 (currently amended): The Faraday rotator set forth in claim [[1]] 3, wherein said dielectric multi-layer film is composed by laminating in alternation an oxide of silicon as a low refractive-index layer, and an oxide of titanium as a high refractive index layer.